

DRINKING WATER SAMPLING PLAN
EPA Suite – Post Remodel
Floors 1, 2 10-21
Parkplace Building
1200 6th Avenue, Seattle, WA 98101

1.0 Scope of Work

1. Upon completion of TI on each floor and prior to turnover to tenant, RGA will perform representative sampling of all plumbed drinking water sources on the floor. Each floor will be tested at the time of TI completion. Floors already completed and turned over will be sampled as a group at the beginning of the project.
2. Floors 10 to 21 will be included in the evaluation, along with portions of the 1st and 2nd floors.
3. Six samples sets will be collected on each floor, including 1 set from each restroom, 1 set from each of the two drinking water fountains, 1 set from the break room sink, and 1 set from the plumbed refrigerator (water/ice maker) Additional samples will be collected on the 16th floor to evaluate the "grab and go" cafeteria area. Each sample set will consist of a "first draw" sample (first water out of tap following at least 8 hours of non-use) and a "secondary" sample (water collected after 30 seconds of flushing).
4. For each sampling event, a set of 2 control samples (service connector and water main) will be collected at the drinking water access tap closest to the building service connection, located on Floor Level 1 in the SE corner of the Parking Garage.
5. All sampling will be performed in the early morning, before the building is significantly occupied.
6. One radon water sample will be collected at the drinking water access tap closest to the building service connection.
7. A report of findings with sampling analysis information and recommendations if necessary will be generated for each sampling event. Each report will be reviewed by a Certified Industrial Hygienist.

2.0 Pre-Sampling Preparation

1. WA Holdings will contact RGA to identify the floors to be sampled for each sampling event.

2. WA Holdings will have Security Personnel place signs on the water sources to be tested on each floor the night before stating that water testing is being conducted and to not use the water.
3. RGA will obtain sampling bottles preloaded with preservative and pre-label the containers using the labeling scheme in Section 4.0 below. Sample bottles will be bundled by floor. Sampling paperwork will be prepared.

3.0 Day of Sampling Schedule

- a. RGA to meet Building Security Personnel at 6 am at the Lobby Security Desk. A Security Guard will be detailed to escort sampling team.
- b. Proceed to the 1st Floor Parking Garage and collect “service connector” and “service main” water samples.
- c. Proceed to the floor(s) to be tested. Collect water samples according to section 5.0 below and remove “do not use” signs as you go.

4.0 Sample Labeling

Samples will be labeled as follows:

“FLR”-“LOC”-“FD/SD”-##

Code		
FLR	Floor	Floor Number (1, 2, 10-21)
LOC	Location	MR=Men’s restroom WR=Women’s restroom MWF=Men’s room side water fountain WWF=Women’s restroom side water fountain WF=Water Fountain (Floors 1 & 2) BRS=Break room Sink BRR=Break room Refrigerator SA=Service Area (Floor 16 only) SC=Service Connector SM=Service Main
FD/SD	Sample draw type	FD=First Draw SD=Second Draw (after 30 second flush)
##	Sequence number	Unique sequence number for sampling event (01, 02, 03, etc)

5.0 Sampling Procedures

Lead

Sampling shall be conducted according to EPA Method 812-B-94-002 (Lead in Drinking Water in Schools and Non-Residential Buildings), Part 2 – Lead Testing Protocol. General collection procedures shall include:

1. Collect all water samples before the facility opens and before any water is used. Water should sit in pipes unused for at least 8 hours but not more than 18 hours before sample is taken.
2. Make sure no water is withdrawn from the taps or fountains from which the samples are to be collected prior to sampling.
3. All water samples shall be collected in 250 milliliters (ml) polyethylene bottles pre-treated with a nitric acid as a preservative.
4. Assign a unique sample ID number to each sample that is reflective of the type of outlet and outlet location being tested.
5. Wear disposable exam gloves while filling containers.

Sampling protocols for individual types of outlet are as follows:

1. Service Connection – Collect sample before the facility opens. Open tap closest to the service connection (1st floor garage, Southeast corner), and feel the temperature of the water. As soon as water changes from warm to cold, collect the sample.
2. Water Main – Collect from the same location as the Service Connection sample. Allow water to run an additional 3 minutes following collection of the service connection sample.
3. Drinking Water Fountains (Bubblers) – Collect the First Draw sample immediately after opening faucet without letting any water run into the drain. Collect the Second Draw sample following a 30-second flush.
4. Drinking Water Fountains (Bubblers and Bottle tap) – Collect the First Draw sample immediately after opening faucet without letting any water run into the drain. Collect approximately half the sample from each tap (bubbler and bottle tap). Collect the Second Draw sample following a 30-second flush (flush both taps at the same time).
5. Sinks - Collect the First Draw sample immediately after opening faucet without letting any water run into the drain. Collect the Second Draw sample following a 30-second flush.

6. Refrigerators with water taps – Collect the First Draw sample immediately after opening faucet without letting any water run into the drain. Collect the Second Draw sample following a 30-second flush.
7. Refrigerators with ice makers – Don a fresh set of disposable gloves before touching ice. To collect the First Draw Sample, take a fresh gallon size ziplock bag and fill the bag approximately 1/3 to ½ full of ice and seal. Allow ice to melt and carefully pour into sampling container. To collect the Second Draw Sample, disconnect the refrigerator water line from the source and fill sample bottle. Use a short length of clean tubing if needed to direct water from the tap into the bottle.

Radon

Sampling shall be conducted according to instructions provided in the sampling kit provided by Radon Testing Corporation of America (RTCA).

6.0 Laboratory

Pb samples will be submitted to Aquatic Research, Inc in Seattle, WA for analysis by EPA Method 200.8.

Radon samples will be submitted to RTCA in Elmsford, New York for analysis.

7.0 Certifications

Sampling will be conducted by Industrial Hygienists certified by the Washington State Department of Commerce under the Lead-Based Paint Program as Lead Inspectors or Lead Risk Assessors. Certifications of proposed personnel are attached.